

Declaration for Patent Application

Docket Number: 1488.1090000/EKS/KLM

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled **Prostate Derived Ets Factor**, the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on July 31, 1998;
as United States Application Number or PCT International Application Number 09/126,945; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Claimed
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Country)	(Day/Month/Year Filed)	
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Country)	(Day/Month/Year Filed)	

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

_____	_____
(Application No.)	(Filing Date)
_____	_____
(Application No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

_____	_____	_____
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
_____	_____	_____
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)

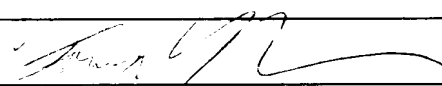
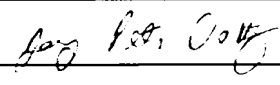
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1100 New York Avenue, N.W.
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Direct Telephone Calls to:

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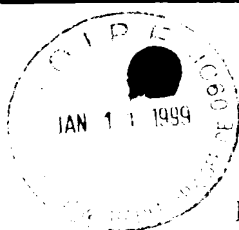
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	Towia Aron LIBERMANN	
Inventor's signature		Date 11/18/98
Residence	86 Beacon Street, Newton, Massachusetts 02467 02469	
Citizenship	Germany	
Post Office Address	(Same as above)	
Full name of second inventor	Joerg Peter OETTGEN	
Second Inventor's signature		Date 11/18/98
Residence	13 Linden Street, Brookline, Massachusetts 02146	
Citizenship	United States of America	
Post Office Address	(Same as above)	
Full name of third inventor	Charles A. KUNSCH	
Third inventor's signature		Date
Residence	4083 Spalding Hollow, Norcross, Georgia 30092	
Citizenship	United States of America	
Post Office Address	(Same as above)	

Full name of fourth inventor	Gregory A. ENDRESS	✓ Date
Fourth inventor's signature	✓	
Residence	9729 Clagett Farm Drive, Potomac, Maryland 20850	
Citizenship	United States of America	
Post Office Address	(Same as above)	
Full name of fifth inventor	Craig A. ROSEN	✓ Date
Fifth inventor's signature	✓	
Residence	22400 Rolling Hill Road, Laytonsville, Maryland 20882	
Citizenship	United States of America	
Post Office Address	(Same as above)	

(Supply similar information and signature for subsequent joint inventors, if any)

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SKid: Rev. 6/23/98 msc



Declaration for Patent Application

Docket Number: 1488.1090000/EKS/KLM

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I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled Prostate Derived Ets Factor, the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on July 31, 1998;
as United States Application Number or PCT International Application Number 09/126,945; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

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Prior Foreign Application(s)			Priority Claimed
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Country)	(Day/Month/Year Filed)	
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Country)	(Day/Month/Year Filed)	

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

_____	_____
(Application No.)	(Filing Date)
_____	_____
(Application No.)	(Filing Date)

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_____	_____	_____
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
_____	_____	_____
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)

Appl. No. 09/126,945
Docket No. 1488.1090000.EKS.KLM

Send Correspondence to:

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1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

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Full name of sole or first inventor	Towia Aron LIBERMANN	✓ Date
Inventor's signature	✓	
Residence	86 Beacon Street, Newton, Massachusetts 02167	
Citizenship	Germany	
Post Office Address	(Same as above)	
Full name of second inventor	Joerg Peter OETTGEN	✓ Date
Second Inventor's signature	✓	
Residence	13 Linden Street, Brookline, Massachusetts 02146	
Citizenship	✓	
Post Office Address	(Same as above)	
Full name of third inventor	Charles A. KUNSCH	12/2/98 ✓ Date
Third inventor's signature	✓ 	
Residence	4083 Spalding Hollow, Norcross, Georgia 30092	
Citizenship	United States of America	
Post Office Address	(Same as above)	

Appl. No. 09126945
Docket No. 1433.1000000 EKS KLM

(Supply similar information and signature for subsequent joint inventors, if any)

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Declaration for Patent Application

Docket Number: 1488.1090000/EKS/KLM

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Priority Claimed

☐ Yes ☐ No

(Application No.)

(Country)

(Day/Month/Year Filed)

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(Application No.)

(Filing Date)

(Status - patented, pending, abandoned)

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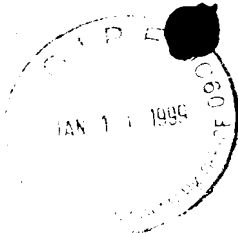
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Inventor's signature	✓	
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Citizenship	Germany	
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Second Inventor's signature	✓	
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Citizenship	✓	
Post Office Address	(Same as above)	
Full name of third inventor	Charles A. KUNSCH	✓ Date
Third inventor's signature	✓	
Residence	4083 Spalding Hollow, Norcross, Georgia 30092	
Citizenship	United States of America	
Post Office Address	(Same as above)	

Appl. No. 09/126,945
Docket No. 1488.1090000/EKS/KLM

Full name of fourth inventor	Gregory A. ENDRESS	
Fourth inventor's signature ✓	<i>Gregory A. Endress</i>	12/2/98 ✓ Date
Residence	9729 Clagett Farm Drive, Potomac, Maryland 20854	20854 GAE 12/2
Citizenship	United States of America	
Post Office Address	(Same as above)	
Full name of fifth inventor	Craig A. ROSEN	
Fifth inventor's signature ✓		✓ Date
Residence	22400 Rolling Hill Road, Laytonsville, Maryland 20882	
Citizenship	United States of America	
Post Office Address	(Same as above)	

(Supply similar information and signature for subsequent joint inventors, if any)

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SKG: Rev. 6/25/98 mac



Declaration for Patent Application

Docket Number: 1483.1090000/EKS/KLM

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Prior Foreign Application(s)

Priority Claimed

☐ Yes ☐ No

(Application No.) (Country) (Day/Month/Year Filed)

☐ Yes ☐ No

(Application No.) (Country) (Day/Month/Year Filed)

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Inventor's signature ✓	✓ Date
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Citizenship	Germany
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Full name of second inventor	Joerg Peter OETTGEN
Second inventor's signature ✓	✓ Date
Residence	13 Linden Street, Brookline, Massachusetts 02146
Citizenship ✓	
Post Office Address	(Same as above)
Full name of third inventor	Charles A. KUNSCH
Third inventor's signature ✓	✓ Date
Residence	4083 Spaulding Hollow, Norcross, Georgia 30092
Citizenship	United States of America
Post Office Address	(Same as above)

Appl. No. 09126,945
Docket No. 1438.1090000 EKS/KLM

Full name of fourth inventor	Gregory A. ENDRESS
Fourth inventor's signature ✓	✓ Date
Residence	9729 Clagett Farm Drive, Potomac, Maryland 20850
Citizenship	United States of America
Post Office Address	(Same as above)
Full name of fifth inventor	Craig A. ROSEN
Fifth inventor's signature ✓	✓ Date
Residence	22400 Rolling Hill Road, Laytonsville, Maryland 20882
Citizenship	United States of America
Post Office Address	(Same as above)

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(Supply similar information and signature for subsequent joint inventors, if any)

JAN 1 1999

POWER OF ATTORNEY FROM ASSIGNEE

Human Genome Sciences, Inc., a corporation of Delaware, having a principal place of business at 9410 Key West Avenue, Rockville, MD 20850, USA, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on 12/2/98, 12/2/98, and 12/4/98 of an invention known as Prostate Derived Ets Factor (Attorney Docket No. 1488.1090000), which is disclosed and claimed in a patent application of the same title by the inventor(s) Charles A. KUNSCH, Gregory A. ENDRESS, and Craig A. ROSEN (said application filed on July 31, 1998 at the U.S. Patent and Trademark Office, having Application Number 09/126,945).

The Assignee hereby appoints the following U.S. attorneys to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith: Robert Greene Sterne, Registration No. 28,912; Edward J. Kessler, Registration No. 25,688; Jorge A. Goldstein, Registration No. 29,021; Samuel L. Fox, Registration No. 30,353; David K.S. Cornwell, Registration No. 31,944; Robert W. Esmond, Registration No. 32,893; Tracy-Gene G. Durkin, Registration No. 32,831; Michele A. Cimbala, Registration No. 33,851; Michael B. Ray, Registration No. 33,997; Robert E. Sokohl, Registration No. 36,013; Eric K. Steffe, Registration No. 36,688; Michael Q. Lee, Registration No. 35,239; A. Anders Brookes, Esquire, Registration No. 36, 373; Kenley K. Hoover, Registration No. 40, 302; and James H. Davis, Registration No. 40, 582. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

Sterne, Kessler, Goldstein & Fox P.L.L.C.
1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934
U.S.A.

Direct phone calls to 202-371-2600.

FOR: HUMAN GENOME SCIENCES, INC.

SIGNATURE: _____

BY: James H. Davis, Ph.D.

TITLE: Senior Vice President and General Counsel

DATE: 1/6/99

O.P.E.
JAN 11 1999

POWER OF ATTORNEY FROM ASSIGNEE

Beth Israel Deaconess Medical Center, a corporation of Massachusetts, having a principal place of business at 330 Brookline Avenue, RN 280A, Boston, MA 02215, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on 11/18/98 of an invention known as **Prostate Derived Ets Factor** (Attorney Docket No. 1488.1090000), which is disclosed and claimed in a patent application of the same title by the inventor(s) Towia Aron LIBERMANN and Joerg Peter OETTGEN (said application filed on July 31, 1998 at the U.S. Patent and Trademark Office, having Application Number 09/126,945).

The Assignee hereby appoints the following U.S. attorneys to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith: Robert Greene Sterne, Registration No. 28,912; Edward J. Kessler, Registration No. 25,688; Jorge A. Goldstein, Registration No. 29,021; Samuel L. Fox, Registration No. 30,353; David K.S. Cornwell, Registration No. 31,944; Robert W. Esmond, Registration No. 32,893; Tracy-Gene G. Durkin, Registration No. 32,831; Michele A. Cimbala, Registration No. 33,851; Michael B. Ray, Registration No. 33,997; Robert E. Sokohl, Registration No. 36,013; Eric K. Steffe, Registration No. 36,688; Michael Q. Lee, Registration No. 35,239; A. Anders Brookes, Esquire, Registration No. 36, 373; Kenley K. Hoover, Registration No. 40, 302; and James H. Davis, Registration No. 40, 582. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

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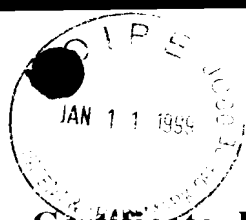
FOR: BETH ISRAEL DEACONESS MEDICAL CENTER

SIGNATURE: 

BY: Barry Eisenstein

TITLE: Vice President Science & Technology

DATE: 11/18/98



Certificate Under 37 C.F.R. § 3.73(b)

Applicant(s): Charles A. KUNSCH, Gregory A. ENDRESS, and Craig A. ROSEN

Application No: 09/126,945 Filed: July 31, 1998

For: Prostate Derived Ets Factor

Human Genome Sciences, Inc., a corporation of Delaware

(Name of Assignee)
agency, etc.)

(Type of Assignee, e.g., corporation, partnership, university, government)

certifies that it is an assignee of the patent application identified above by virtue of either:

A. ☒ An Assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

[or]

B. ☐ A chain of title from the inventor(s) of the patent application identified above to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 1/6/99

Name: James H. Davis, Ph.D.

Title: Senior Vice President and General Counsel

Signature: James H. Davis

ASSIGNMENT

**DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION**

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Charles A. KUNSCH, Gregory A. ENDRESS, and Craig A. ROSEN, the undersigned inventor(s) hereby sell(s) and assign(s) to Human Genome Sciences, Inc. (the Assignee) his/her entire right, title and interest, including the right to sue for and collect for all past, present and future damages:

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

(a) in the invention(s) known as Prostate Derived Ets Factor for which application(s) for patent in the United States of America has (have) been executed by the undersigned inventor(s) on 12/3/98 (also known as United States Application No. 09/126,945, filed July 31, 1998), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application(s) listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application(s) or Letters Patent(s) therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application(s) listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application(s), and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application(s), including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represents that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire,

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Registration No. 35,239; A. Anders Brookes, Esquire, Registration No. 36, 373; Kenley K. Hoover, Registration No. 40, 302; and James H. Davis, Registration No. 40, 582, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date(s) opposite his/her name(s).

Date: ✓ _____ Signature of Inventor: ✓ _____
Charles A. KUNSCHE

Date: ✓ _____ Signature of Inventor: ✓ _____
Gregory A. ENDRESS

Date: ✓ 12/4/98 Signature of Inventor: ✓ _____
Craig A. ROSEN

ASSIGNMENT

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In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Charles A. KUNSCH, Gregory A. ENDRESS, and Craig A. ROSEN, the undersigned inventor(s) hereby sell(s) and assign(s) to Human Genome Sciences, Inc. (the Assignee) his/her entire right, title and interest, including the right to sue for and collect for all past, present and future damages:

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

(a) in the invention(s) known as Prostate Derived Ets Factor for which application(s) for patent in the United States of America has (have) been executed by the undersigned inventor(s) on 12/2/98 (also known as United States Application No. 09/126,945, filed July 31, 1998), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application(s) listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application(s) or Letters Patent(s) therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application(s) listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application(s), and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application(s), including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date(s) opposite his/her name(s).

Date: ✓ _____ Signature of Inventor: ✓ _____
Charles A. KUNSCH

Date: ✓ 12/2/98 _____ Signature of Inventor: ✓ _____
Gregory A. ENDRESS

Date: ✓ _____ Signature of Inventor: ✓ _____
Craig A. ROSEN

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(c) in any and all inventions described in the patent application(s) listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application(s), and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application(s), including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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Date: ✓ 12/2/98 Signature of Inventor: ✓ 
Charles A. KUNSCH

Date: ✓ Signature of Inventor: ✓
Gregory A. ENDRESS

Date: ✓ Signature of Inventor: ✓
Craig A. ROSEN

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JAN 11 1999
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Certificate Under 37 C.F.R. § 3.73(b)

Applicant(s): Towia Aron LIBERMANN and Joerg Peter OETTGEN
Application No: 09/126,945 Filed: July 31, 1998

For: Prostate Derived Ets Factor
Beth Israel Deaconess Medical Center, a ☒ corporation of Massachusetts
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is an assignee of the patent application identified above by virtue of either:

A. ☒ An Assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

[or]

B. ☐ A chain of title from the inventor(s) of the patent application identified above to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 11/18/98
Name: Barry Eisenstein
Title: Vice President Science & Technology
Signature: [Signature]

ASSIGNMENT

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In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Towia Aron LIBERMANN and Joerg Peter OETTGEN, the undersigned inventor(s) hereby sell(s) and assign(s) to Beth Israel Deaconess Medical Center (the Assignee) his/her entire right, title and interest, including the right to sue for and collect for all past, present and future damages:

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☒ and throughout the world,

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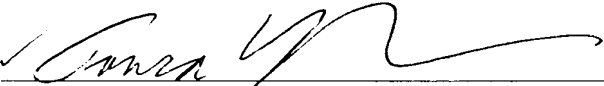
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Date: ✓ 11/18/98 Signature of Inventor: ✓ 
Towia Aron LIBERMANN

Date: ✓ 11/18/98 Signature of Inventor: ✓ 
Joerg Peter OETTGEN